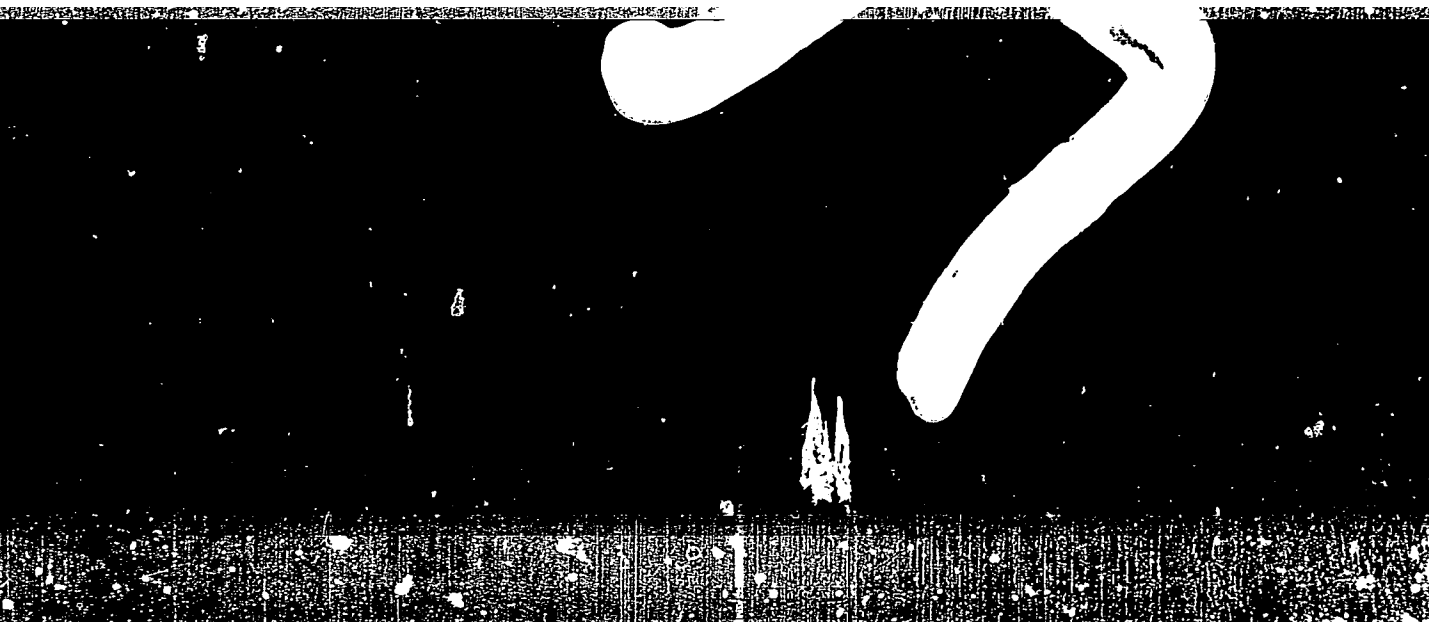


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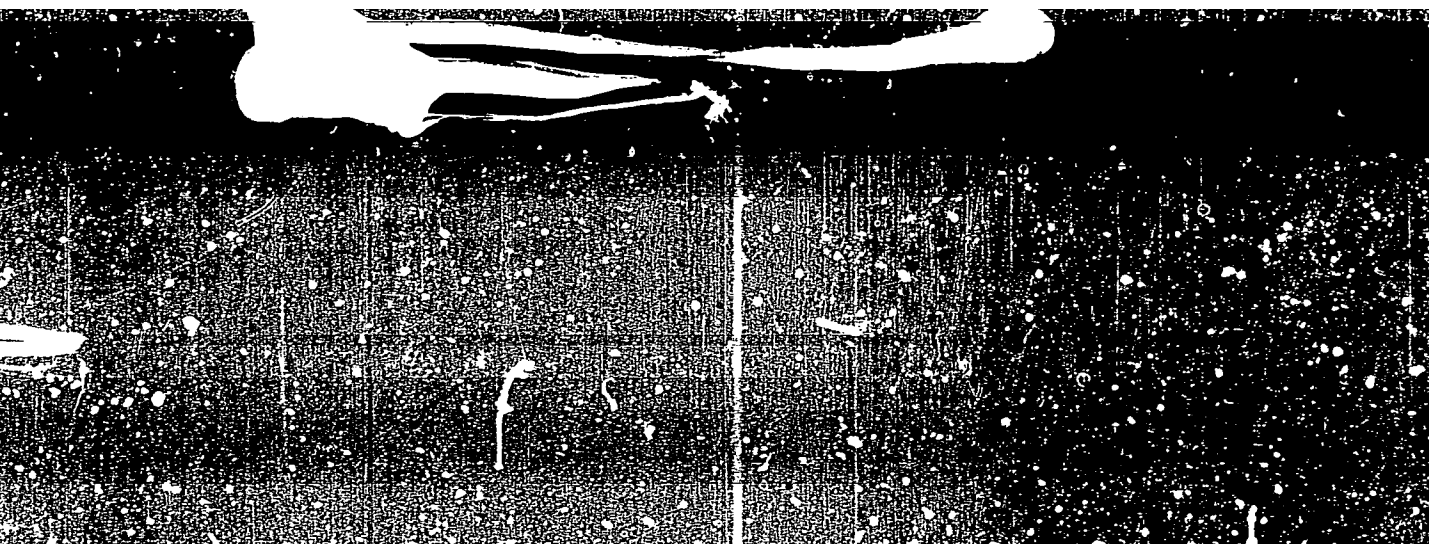


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APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001756510001-5"

Begin
#619

TRANDAFILOV, T.; KOLAROV, N.

"New apparatus for obtaining distilled water for infection solutions by electric filter and catalyzer." In French. p. 45

DOKLADY. Sofia, Bulgaria, Vol. 12, No. 1, January/February, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2, February, 1960. Uncl.

COUNTRY : BULGARIA II
 CATEGORY : Chemical Technology. Chemical Products and Their
 Application. Pharmaceuticals. Vitamins. Antibiotics*
 ABS. JOUR. : Rezhim, No 17, 1959, No. 61791
 AUTHOR : Trendafilov, T., Penova, M.
 INSTITUTE : Vissh. Med. Inst., Sofia
 TITLE : Dynamics of Extraction in the Percolating Process
 ORIG. PUB. : Nauchni tr. Vissh. Med. in-t. Sofia. Farmaceut.
 fak., 1955 (19570, 3, No 5, 1-17)
 ABSTRACT : Qualitative and quantitative dependencies between
 extracted alkaloids and balast materials was es-
 tablished. Quantity of separated substances de-
 pends on the weight-volume ratios of phases and
 on the nature and concentration of a solvent. The
 maximum yield of extracted alkaloids with a mix-
 ture of water-alcohol is attained with 40% alcohol
 content; the extracted quantity decreases some-
 what at 50-60% alcohol content. At the increased
 acidity of a solvent (pH of 4.6) quantity of the

*otics.

Card:

1/2

H - 59

COUNTRY : BULGARIA
CATEGORY : Chemical Technology. Chemical Products and Their^B
Application. Pharmaceuticals. Vitamins. Antibio-*
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61798
AUTHOR : Trandafilov, T.; Boyadzhieva, M.
INSTITUTE : Vissh. med. inst. Sofia
TITLE : Dynamics of the Extraction in the Production of
Extracts and Concentrates.
ORIG. PUB. : Nauchni tr. Vissh. med in-t. Sofia. Farmatsevt.
fak., 1955 (1957), 3, No 5, 19-34.
ABSTRACT : No abstract.

Card: *tics.
 1/1

H - 61

TRANDAFILOV, T.

Current status and perspectives of pharmaceutical technology.
Cesk. farm. 12 no.9:470-478 N°63.

1. Katedra galenicke farmacie farmaceuticke fakulty, Sofia.

*

BULGARIA / Pharmacology, Toxicology. Chemo-Therapeutic Preparations. V
Antibiotics.
Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 27942
Author : Kozhukharov, P.; ~~Trandafilov, Tr.~~; Kharizanova, T.;
Khristov, K.
Inst : Not given
Title : Experimental Investigations of Some Medicinal Forms with
Antibiotics. II. Prolongation of Action of Penicillin
Injections with Pyramidone, Calcium Gluconate and
Novocain
Orig Pub : Sofiya. Farmatsevt. fak., 1955 (1957), 3, No 5, 35-50
Abstract : No abstract given

Card 1/1

TRANDAFILOV, TR.

BULGARIA/Chemical Technology, Chemical Products and Their
Application, Part 3. - Drugs, Vitamins, Antibiotics.

H-17

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33531.

Author : Tr. Trandafilov, P. Kozhukharov, K. Khristov.

Inst : ~~Not~~ given.

Title : Preparation of Medicinal Penicillin Suppositories.

Orig Pub: Farmatsiya (Sofia), 1955, 5, No 2, 32-34.

Abstract: No abstract.

Card : 1/1

/ TRANDAFILOV (R.)

BULGARIA / Chemical Technology. Chemical Products and
Their Application - Medicinals, Vitamins, Antibiotics J-3

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 5568

Author : Trandafilov Tr., Boyadzhieva M.

Inst : Not given

Title : Extraction Procedures in the Preparation of Decoctions
and Infusions.

Orig Pub : Farmatsiya (Bulg.), 1956, 6, No 3, 31-34

Abstract : Work was carried out on comparison of procedures described
in Pharmacopoeias VII and VIII. It was ascertained that
according to the procedure of PhVIII, in preparing de-
coctions and infusions, it is possible to extract a higher
percentage of belladonna alkaloids than on using the

Card 1/2

Trandafilov, Tr.

Bulgaria/Fitting Out of Laboratories -- Instruments, Their Theory, Construction, and Use, H

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1355

Author: Kolarov, N., and Trandafilov, Tr.

Institution: Bulgarian Academy of Sciences

Title: On the Entrainment of Nonvolatile Substances During Distillation of Their Aqueous Solutions

Original

Periodical: Dokl. Bulgar. AN, 1954 (1955), Vol 7, No 3, 13-16 (in German with a summary in Russian)

Abstract: The contamination of distilled water caused by boiling during distillation is investigated; 0.1, 0.5, and 1 N solutions of KCNS, KBr, K_2SO_4 , and potassium citrate were prepared, using distilled water. It was established that the various anions can be arranged in the following series in order of decreasing contamination: citrate > SO_4^{2-} > Br^- > CNS^- . It is shown that the contamination is greater the lower the distillation temperature; contamination is also a

Card 1/2

Bulgaria/Fitting Out of Laboratories -- Instruments, Their Theory, Construction,
and Use, H

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1355

Abstract: function of the uniformity of heat transfer in the space above the
solution and of the intensity of bubbling. A complete inhibition of
contamination was observed when the distillation is carried out
without the formation of bubbles in the solution. A general
classification of the contaminants in distilled water is given.

Card 2/2

S/191/60/000/004/015/015
B016/B058

AUTHOR: Trandafilova, I.
TITLE: Manufacture and Use of Glass-reinforced Plastics
PERIODICAL: Plasticheskiye massy, 1960, No. 4, pp. 71-73

TEXT: The coordination of research and experimental studies of glass-reinforced plastics (grp) was discussed at the Extended Meeting of the Scientific and Technical Council of the NIIPM (Nauchno-issledovatel'skiy institut plasticheskikh mass, Scientific Research Institute of Plastics) held from December 24 to 26, 1959. It was attended by 117 delegates from special research institutes and 43 delegates from grp consumer organizations. M. S. Akutin reported on the use of grp at home and abroad, and on the tasks to be fulfilled in the current Seven-year-Plan. A. A. Peshekhonov discussed modern manufacturing methods of grp products and studies made at the NIIPM and NIISV. P. Z. Li reported on the properties of glass textolite on the basis of the phenol-resol resin and polyvinyl butyral. T. M. Lukovenko explained the properties of glass textolite on the basis of epoxy-phenol resins as well as an attempt to produce glass-

Card 1/4

Manufacture and Use of Glass-reinforced
Plastics

S/191/60/000/004/015/015
B016/B058

textolite on the basis of chemically protected glass fabrics. Z. V. Mikhaylova reported on the manufacture of unsaturated polyester resins, which are solidified in a cold state. The types ПН-1 (PN-1) and ПН-2 (PN-2) have gone in mass production. Ye. L. Kaganova reported on the manufacture of equal resins by using diphenic acid and on the manufacture of polyester-styrene resins on the basis of diethylene glycol, ethylene glycol, maleic anhydride, and diphenic acid. Diphenic acid as a substitute for phthalic anhydride will enable the use of the abundant resources of phenantrene. L. N. Sedov reported on the contact method of forming large-size products from grp on the basis of binding agents of the types ПН-1, ПН-2, and ПН-4 (PN-1, -2, and -4), as well as on grp of increased water resistance and reduced combustibility. V. A. Eksanov discussed the same forming method from glass-reinforced polyester plastics. Ye. M. Demekhina discussed the production process of glass textolite on the basis of polystyrene. K. N. Vlasova reported on the manufacture of grp on the basis of polyamide resins and on a new binding agent, graft polymer formed by interaction of the resins mentioned with epoxy resins. V. N. Kotrelev discussed the manufacture of grp on the basis of polycarbonates. V. M. Gel'perina dealt with grp on the basis of organosilicon compounds. I. M. Gurman

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Manufacture and Use of Glass-reinforced
Plastics

S/191/60/000/004/015/015
B016/B058

reported on a new binding agent, the epoxy dimethyl resorcinol resin. It was obtained through combination of the epoxy resins ЭД-5 (ED-5) and ЭД-6 (ED-6) with novolak resins. N. V. Kulikov reported on attempts to produce tubes from grp. N. N. Senatskiy reported on the manufacture of grp products by using preformed workpieces (semifinished products). O. M. Levitskaya spoke about the introduction of the production of unsaturated polyester resins PN-1, PN-2, and PN-125 in vacuo. V. G. Danilova reported on the production of the resin PN-1, started at the Rubezhanskiy khimkombinat (Rubezhnoye Chemical Combine). A. A. Pavlyukov reported on the state of organization in the field of grp products. Machines for the manufacture of large construction glass mats were developed at the Opytno-konstruktсионnoye byuro, Luganskiy sovnarkhoz (Experimental and Design Office at the Luganskoye Council of the National Economy). A. M. Kogan reported on the manufacture of miner's trucks and similar objects from grp. In his lecture on glass fillers, M. G. Chernyak pointed out that their composition influences the properties of grp. An alumino-boron silicate filler is being developed. About 60 types of machines were developed for the continuous manufacture of glass fibers. I. I. Ioffe reported on grp of high strength on the basis of orientated glass fibers. E. E. Kol'man-Ivanov in his

Card 3/4

Manufacture and Use of Glass-reinforced
Plastics

S/191/60/000/004/015/015
B016/B058

lecture described foreign machines for the manufacture of grp and pointed out that specialized machines are to be manufactured at home in the course of the present Seven-year Plan. V. V. Audring discussed the main trends of experimental studies in the field of home-made machinery for the manufacture of grp products. Ya. D. Avrasin reported on studies dealing with the manufacture of heat-resistant grp. The delegates of the research institutes finally exchanged their experience in the field under discussion. K. S. Zatsepin reported on the replacement of steel tubes by grp tubes and on other problems connected with the manufacture of grp tubes. L. M. Pesin underlined the ever-increasing importance of urea-formaldehyde resins as binding agents. I. K. Luk'yanchikov reported on the prospects of applying grp in railroad construction. O. V. Tamruchi reported on comprehensive research work concerning the manufacture of friction and antifriction materials from grp. I. F. Kanavets underlined the great importance of test methods permitting to determine the dependence of grp strength on the content of fillers and binding agents. The Scientific Council of the NIIPM proposed further measures concerning the extension of the raw-material assortment for grp. ✓

Card 4/4

TUTORSKIY, Oleg Georgiyevich; TRANDAFILOVA, I.A., red.; BLAZHENKOVA, G.I.,
tekhn.red.

[Ultrashort wave amateur radio communications; a book for beginners
in ultrashort wave technique] Radioliubitel'skaya svyaz' na UKV;
kniga dlia nachinaushchego ul'trakorotkovolnovika. Moskva, Izd-vo
DOSAAF, 1958. 88 p. (MIRA 12:6)
(Radio, Shortwave)

ИВАНОВ СЕРГЕЙ МИХАЙЛОВИЧ + И.

IVANOV, Sergey Mikhaylovich; TRANDAFILOVA, I.A., red.; BLAZHENKOVA, G.I.,
tekhn.red.

[Thrice a hero] Trizhdy geroi. Moskva, Izd-vo DOSAAF, 1958.
79 p. (MIRA 11:4)
(Kozhedub, Ivan Nikitich, 1920-)

KRYUCHKOV, Yuriy Semenovich; TRANDAFILOVA, I.A., red.; KARYAKINA, M.S., tekhn.
red.

[Ships of the interplanetary spaces] Korabli mezhplanetnykh pro-
stranstv. Moskva, Izd-vo DOSAAF, 1958. 71 p. (MIRA 11:7)
(Space flight)

TRANDAFILOVA, I. A.

Karyakin, Peter Petrovich

Call Nr: AF 1162769

Pod kupolom parashyuta (Under the Parachute Canopy) Moscow, Izd-vo DOSAAF,
1957, 50 p. 22,000 copies.

Ed.: Trandafilova, I. A.; Tech. Ed.: Gerasimova, V. N.

PURPOSE: The book seems to be intended for young people interested in sport.

COVERAGE: The heroine of the book is the world-record winner in sport parachutism, Valentina Seliverstova. The book sketches her biography, her development in her sport, her triumphs, and the hard road to her victories.

AVAILABLE: Library of Congress

Card 1/1

27 15 47
Rapid determination of sulfam in erythro-
fely and N. Tabakov

FRAND-PELOX, D.

-V The catalytic decomposition of hydrogen peroxide. D.

Trandaflov, *Annuaire univ. Sofia 48, Fac. sci. Phys. et math., Litra 3, Pt. 1, 86-90(1953/54)(German summary)* 34

The rate of catalytic decompn. of H_2O_2 (I) by $Fe_2(SO_4)_3$ (II) in the presence of cupric and H ions depends upon the concn. of colloidal $Fe(OH)_3$. Hydrolysis of II either by long storage or by heating 3 hrs. at 60° increases its catalytic effect. However, when II was heated at 50° , an irreversible coagulation took place and the catalytic effect decreased; prevention of coagulation by addn. of H_2SO_4 increased the catalytic effect. The "ferrisulfate molulus", $SO_4 \cdot Fe_2O_3$, and not the concn. of either H or ferric ions, det. the rate of decompn. Cupric ions catalyze the decompn. of I when adsorbed on colloidal $Fe(OH)_3$; once the sol is swd. with cupric ions further addn. does not increase the rate.

G. Meguerian

BULGARIA / Chemical Technology. Chemical Products and H
Their Applications. Pharmaceuticals. Vitamins.
Antibiotics.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12867.

Author : Trandafilov, Tr.; Bayadzhieva, M.

Inst : Not given.

Title : On Emulgent Properties of Gelatose from Local
Raw Material.

Orig Pub: Nauchni tr. Vissh. med. in-t "V. Chervenkov". Far-
matzevt. fak., 1954 (1956), 1, No 2, 33-48.

Abstract: A technique was developed for obtaining gelatose
from local technical gelatin, and the physical-
chemical properties of its aqueous solutions
(viscosity, surface tension, specific weight) were
investigated, as well as the emulgent properties
(as regards stability of the emulsions of M/V

Card 1/2

BULGARIA / Chemical Technology. Chemical Products and H
Their Applications. Pharmaceuticals. Vitamins.
Antibiotics.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12867.

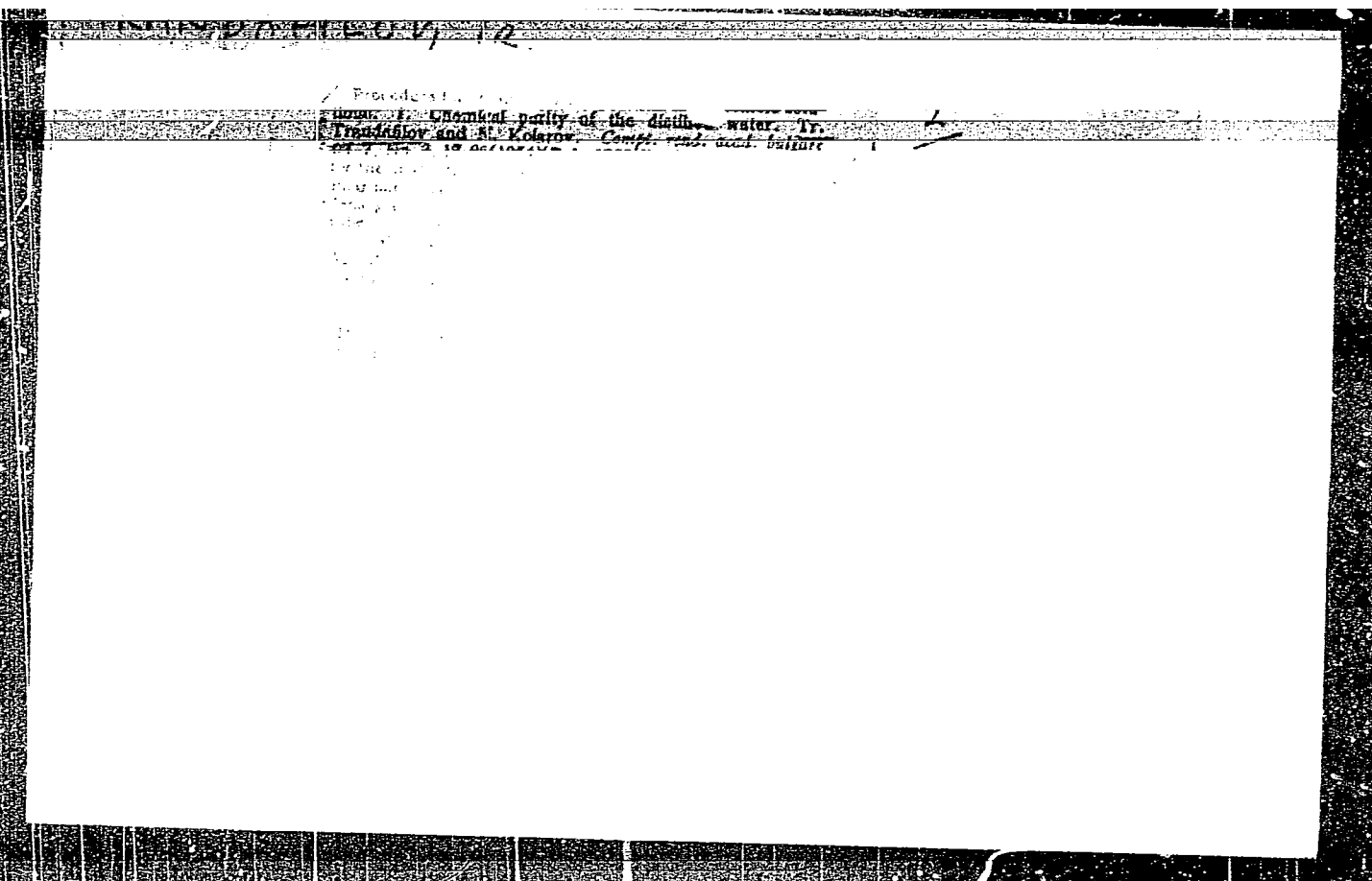
Abstract: type; emulgent - gelatose was added in a quantity
of 50% per weight of oil). It was shown that the
gelatose can completely replace imported gum ara-
bic as a complete emulgent of M/V emulsions and
can be practically used in the pharmacies of
Bulgaria. -- A. Vavilova.

Card 2/2

72

TRANDAFILOV-T

✓The "reduction capability" of distilled water obtained by passing water vapors through an electric field. T. Trandafilov and N. Kolarov (V. Chervenkoy Med. Acad., Sofia). *Compt. rend. acad. bulgare sci.* 8, No. 1, 33-5 (1955) (in English); cf. *C.A.* 44, 5068a. —A high-quality distd. H_2O was obtained by passing H_2O vapor through an electro-filter, except for its "reduction capability." This resulted from the formation of traces of H_2O_2 in the filter. G. C. C.



TRANDAFILOV, T.

TRANDAFILOV, T. NEW method for obtaining distilled water for injection solutions. I. Chemical purity of distilled water. p. 333. Vol. 3, 1955 IZVESTIYA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

RUMANIA

TRANDAFILOV, T., Professor; DRUMEV, D., Docent, MD; COJUHAROV, P., MD; HRISTOV, K., Pharmacist.

Eucharest, Farmacia, No 3, Mar 63, pp 129-139.

"New Trends and Achievements in Pharmaceutical Products with Antibiotics."

(4)

TRANDAFILOV, T.

TRANDAFILOV, T. Nonvolatile substances carried over in distillation of their water solutions. p. 345 Vol. 3 1955 IZVESTIYA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

TRANDAFILOV, T.

TRANDAFILOV, T. On the "reduction capability" of distilled water obtained by passing water vapors through an electric field. In English. p. 33. Vol. 8, no. 1, Jan./Mar. 1955. DOKLADY., Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4 April 1957

TRANDAFILOV, Tr., Dots.; BOIADZHIEVA, M.

Emulsive properties of gelatose obtained from domestic raw material. Hauch. tr. Vissh. med. inst. Chervenkov, Sofia 2 no.5:33-48 1956.

1. Predstavens ot dots. Tr. Trandafilov, zav. Katedrata po tekhnologiya na lekarstvenite formi.

(GELATIN, related compounds,
gelatose, emulsive properties (Bul))

TRANDAFILOV, Tr., Dots.; KOLAROV, N., Prof.

Reducing properties of distilled water obtained by passage of vapor through electric field. Nauch. tr. Vissh. med. inst. Chervenkov, Sofia 2 no.5:49-52 1956.

1. Predstavena ot dots. Tr. Trandafilov, zav. Katedrata po tekhnologiya na lekarstvenite formi.

(WATER,

reducing properties of distilled water obtained by passage of steam through electric field (Bul))

TRANDAFILOV, Tr., dots.

Production of surgical catgut from domestic material. Nauch.
tr. Med. akad. Chervenkov, Sofia 1 no.1:149-163 1953.

1. Predstavena ot dots. Tr. Tranidafilov, zavezhdashch Katedrata
po tekhnologiya na lekarstvenite formi.
(SUTURES,
catgut, prod. in Bulgaria)

TRANDAFILOV, Tr.; BOIADZHIEV, M.

~~Emulgent properties of gelatose obtained from local raw material.~~
Farmatsiia, Sofia 5 no.2:31-32 Mar-Apr 55.
(GELATIN,
gelatose, prod. in Bulgaria)

TRANDAFILOV, T.; KOZHUKHAROV, P.; KHRISTOV, K.

Preparation of penicillin suppositories. Farmatsia, Sofia 5 no.2:
32-34 Mar-Apr 55.

(PENICILLIN, administration,
suppositories, prep. of)
(SUPPOSITORIES,
penicillin, prep. of)

TRANDAFILOV Tr.

Bulgaria

Higher Medical Institute, Pharmaceutical Faculty, Department of Technology of Medical Forms (VMI-Farmatsevtichen fakultet Katedra po tekhnologiya na likarstvenite formi), Director: Prof. Tr. TRANDAFILOV, Sofia.

Sofia, Farmatsiya, No 3, 1966, pp 32-37.

"A Study on the Local Clays with a View to Their Application in Pharmacy."

Co-author:

TOMASINI, L., Scientific Research Institute of Pharmaceutics (Nauchnoizsledovatel'ski khimiko-farmatsevtichen institut), Director: Prof. L. ZHELYAZKOV.

TRANDAFILOV, Tr.

Bulgaria

Higher Medical Institute, Pharmaceutical Faculty, Department of Technology of Medical Forms and galenic Preparations (VMI, Farmatsevtechen fakultet, Katedra po tekhnologiya na lekarstvenite formi i galenovite preparati), Sofia; Director: Prof. Tr. TRANDAFILOV.

Pharmaceutical Administration, Scientific Research Group "Pharmacy Work" (Upravlenie Aptekno, NIG "Aptekno Delo") Sofia; Director: N. POPOV.

Sofia, Farmatsiya, No 6, 1965, pp 345-351.

"Contributions to the Preserving and Stabilizing Conditions of the Ordinary Sugar Syrup."

Co-authors:

BOYADZHIEV, G. D.

DRENOVSKI, St.

TRANDAFILOVA, I.

Production and uses of glass reinforced plastics.
Plast.massy no.4:71-73 '60. (MIRA 13:7)
(Glass reinforced plastics—Congresses)

TRANDAFILOVA, I.

Conference on the utilization of plastics in instrument
construction. Plast.massy no.4:73 '60. (MIRA 13:7)
(Plastic industry--Congresses)

TRANDAFILOVA, I.

Seminar on the wear of plastics. Plast.massy no.1:78-79
'60. (MIRA 13:6)
(Plastics--Testing)

TRANDAFILOVA, I.A.
FOROSTENKO, Yakov Danilovich; TRANDAFILOVA, I.A., redaktor; GERASIMOVA, V.I.,
tekhnicheskiiy redaktor.

[On earth and in the heavens; a flier's notebook] Na zemle i v
nebesakh; zapiski letchika-sportsmena. Literaturnaia zapis'
B.Novitskogo. Moskva, Izd-vo DOSAAF, 1957. 91 p. (MIRA 10:11)
(Airplanes--Piloting)

*1. KARYAKIN, Petr Petrovich; TRANDAFILOVA, I. A., redaktor; GERASIMOVA, V.N.,
tekhnicheskij redaktor.*

[Under the cupola of a parachute] Pod kupolom parashiuta. Moskva,
Izd-vo DOSAAF, 1957. 50 p. (MIRA 10:11)
(Parachutists)

SEVERIN, S.Ye.; VUL'FSON, P.L.; TRANDAFILOVA, L.L.

Carnosine content in different parts of frog muscles. Dokl.AN
SSSR 145 no.1:215-217 J1 '62. (MIRA 15:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
2. Chlen-korrespondent AN SSSR (for Severin).
(CARNOSINE) (MUSCLE)

TRANDAFIR, Tanase

How the Hunedoara trade unions organize current preparation and control of task fulfillment. Munca sindic 7 no.7:37-40 JI '63.

1. Secretar al Consiliului regional al sindicatelor Hunedoara.

TRANDAFIR, V., ing.

Twenty years of achievements. Mec electrif agric 9 no.6:
99-105 '64.

RUMANIA / Analytical Chemistry. Inorganic Analysis. E

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 81981

Author : Trandafirescu, E.; Iordachescu, Jeana;
Diaconescu, Georgeta; Florescu, Creanga Silvia

Inst : ~~Not given~~ *FAC. FARM. BUCHAREST, ROMANIA.*

Title : The Mechanism of Oxidation-Reduction Reactions.
The Detection of Small Quantities of Selenium
and Tellurium in the Presence of Arsenic

Orig Pub : Farmaica (RPR) 1959, 7, No 2, 135-141

Abstract : On the basis of measurements of normal
oxidation-reduction potentials (E_0) of the
systems $\text{SeO}_3^{-2}/\text{Se}$ and $\text{TeO}_3^{-2}/\text{Te}$, as a function
of the pH of the medium, conditions were deter-
mined which permit the detection of Se and Te
prosent simultaneously in the solution as H_2SeO_3
and H_2TeO_3 . At pH=0, the rate of the SeO_3^{-2}

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RUMANIA / Analytical Chemistry. Inorganic Analysis.

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 81981

reduction ($E_0=0.76\text{v}$) with SnCl_2 ($\text{Sn}^{+4}/\text{Sn}^{+2}$ $E_0=0.3$ volts) is large, and elemental Se separates as a red-orange powder, while TeO_3^{-2} ($E_0=0.305$ volts) is practically not reduced by SnCl_2 even when a large excess of SnCl_2 is present and the solution is heated. In an alkaline medium ($\text{pH} \approx 14$), the difference between E_0 values for SeO_3^{-2} and TeO_3^{-2} is small (≈ 0.1 volts), and both metals are reduced very rapidly with SnCl_2 ($E_0=0.85$ volts). In this case, Te and Se separate as black powders; however, Se has a greyish-violet coloration and represents the allotropic form which contains OH^- . Upon drying, Se precipitate regains the red-orange color, while the Te precipitate remains black. For the detection of Se and Te,

Card 2/3

RUMANIA / Analytical Chemistry. Inorganic Analysis.

E

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 81981

one drop of the solution to be analyzed, one drop of SnCl_2 solution in HCl (5 g SnCl_2 is dissolved in 5 ml concentrated HCl + 95 ml water; pH 0.5), and after some time two drops of 2-N. NaOH are placed on the filter paper and dried with warm air, at the same time observing the color of the spot. The detection limit is 5×10^{-6} g of selenite or tellurite. The presence of As^{+3} (also Sb) does not interfere with the detection of Se and Te ; Bi interferes with the reaction in an alkaline medium. For the detection of As in the presence of Se and Te , it is recommended that one use the Tananaev and Panamarev method (after precipitating Se and Te with atomic H).
-- B. Manole

Card 3/3

19

TRANDAFIRESCU, E.

SURNAME, Given Names

Country: Rumania

Academic Degrees: -Dr.-

Affiliation: -not given-

Source: Bucharest, Igiena, Vol IX, No 4, Sep-Oct 1961, pp 355-361.

Data: "Polarography--A Method for the Analysis and Control of Insecticide Products Containing Gamma H.C.H. Stereoisomers and D.D.T. Isomers."

070 981643

Country : Rumania
Category : Analytical Chemistry.

E-2

Abs. Jour. : Ref. Zhur - Khim., No 7, 1959

23003

Author : Trandafirescu, E.; Iordachescu, J.

Institut. :
Title : On the Mechanism of Some Redox Reactions. II.
Titrimetric Determination of Copper and Zinc
without Their Previous Separation.

Orig Pub. : Farmacia (Romin.), 1958, 6, No 1, 37-42

Abstract : Description of a method of determining Cu and Zn in alloys and ores, based on iodometric titration, in a neutral or acetic acid medium, first of Cu^{2+} , and then (after addition of $\text{K}_3\text{Fe}(\text{CN})_6$ and K_2SO_4) of Zn^{2+} , in accordance with the redox reaction: $2\text{K}_3\text{Fe}(\text{CN})_6 + 3\text{ZnSO}_4 + 2\text{KI} \rightleftharpoons \text{I}_2 + 3\text{K}_2\text{SO}_4 + 2\text{Zn}_3\text{K}_2[\text{Fe}(\text{CN})_6]_2$. In the presence of K_2SO_4 solubility of $\text{Zn}_3\text{K}_2[\text{Fe}(\text{CN})_6]_2$ is decreased, the reaction is shifted to the right, and reduction of $\text{K}_3\text{Fe}(\text{CN})_6$ takes place to a complete conversion of Zn^{2+} to the complex compound. The presence in the solution of precipitates of CuI and $\text{Zn}_3\text{K}_2[\text{Fe}(\text{CN})_6]_2$, and also the presence of Pb^{2+} , Sn^{2+} , and Cd^{2+} , produces no substantial effect on the titration; Fe^{3+} interferes. On

Card: 1/2

Country : Rumania E-2
Category : Analytical Chemistry.
Abs. Jour. : Ref. Zhur - Khim., No 7, 1959 23018
Author : Trandafirescu, L.; Iordachescu, J.
Instit. :
Title : On the Mechanism of Some redox Reactions. III.
Determination of Divalent and Monovalent Copper
without Their Previous Separation.
Orig Pub. : Farmacia (Romin.), 1958, 6, No 3, 215-220

Abstract : It was found that oxidation of Cu^+ to Cu^{2+} with iodine, in the presence of Cu^{2+} in the solution, takes place quantitatively if Na-citrate (I) is added. The normal oxidation potential (E) of the system Cu^{2+}/Cu^+ , which is 0.167 v, increases in the presence of free Cu^{2+} ions, and becomes equal to 0.689 v, i.e., exceeds the E of the system I_2/I^- (0.543 v); under these conditions the oxidation of Cu^+ with iodine becomes impossible. On addition of I the latter combines with the Cu^{2+} (as they are formed) to a complex and the concentration of Cu^{2+} in the solution does not exceed 10^{-8} ; E of the system Cu^{2+}/Cu^+ becomes equal to 0.341 v and under these conditions Cu^+ is quantitatively oxidized by I.
Card: 1/3

Country : Rumania
Category : Analytic Chemistry.

E-2

Abstr. Jour. : Ref. Zhur - Khim., No 7, 1959

23016

Author :
Institut. :
Title :

Orig. Pub. :

Abstract : iodine (and thereby the possibility is provided of a iodometric determination of Cu^+ in the presence of Cu^{2+}). The complex compound of Cu^{2+} with I_2 , which is stable at pH 7.0-8.5, is broken down on increase of the acidity and at pH ~ 0 it is possible to determine iodometrically the total amount of Cu (after a determination of Cu^+). On determining Cu^+ and Cu^{2+} , there are added to 25-30 ml 0.1 N solution of iodine, in a tapered bottom flask, consecutively, 5-6 g I_2 , the sample being analyzed (containing $\sim 60-65$ mg of each, Cu^{2+} and Cu^+), and 25-30 ml water. The flask is then stoppered and the contents are agitated gently until all the salts are

Card: 2/3

Country : Rumania
Category : Analytical Chemistry.

E-2

Abstr. Jour. : Ref. Zhur - Khim., No 7, 1959

23018

Author :
Institut. :
Title :

Orig Pub. :

Abstract : dissolved. Excess iodine is titrated with 0.1 N $\text{Na}_2\text{S}_2\text{O}_3$ solution to determine the content of Cu^{2+} . Then, 6.0-7.5 ml of 10 N HCl are added to the same solution, the mixture is stirred and the liberated iodine is titrated with 0.1 N solution of $\text{Na}_2\text{S}_2\text{O}_3$ (to determine the total amount of Cu). The content of Cu^{2+} is determined from the difference between the results of the two titrations. Communication II see RZhKhim, 1959, 23003. -- B. Mandle.

Card: 3/3

IONESCU, M.; PAUSESCU, E.; TRANDAFIRESCU, E.; FLORESCU, Rodica

Enzymatic activity of the kidney perfused at low temperatures.
IV. Carbonic anhydrase, alkaline phosphatase and glutamine
transferase activity in renal tissue homogenates. Stud. cercet.
fiziol. 9 no.5:481-485 '64

TRANDA-FIRUSCU, G.

HUNG.

Manufacture of aliphatic ketones by catalytic dehydrogenation of secondary alcohols. Al. Luch, G. Tranda-firescu, Al. Nicolau, M. Smarilevski, and G. Cristea. *Rev. chim.* (Bucharest) 5, 431-4(1954).—Secondary alcs. from cracking gases were dehydrogenated in a Na_2SiO_3 -lined steel reactor to give 90-7% yields of Me_2CO and MeCOEt ; a pelletized, dried, and calcined mixt. of ZnO contg. 10% aq. Na_2SiO_3 serves as catalyst. Thermo-dynamic data, kinetics, and a flow sheet of an industrial installation are given.

Gerard A. Jeger

CH

(4)

AA
et

TRANDAFIRESCU, G.

The role and contribution of pilot plants in development of the chemical industry. Revista De Chimie (Journal of Chemistry), #1:1:Jan 55

RUMANIA/Chemical Technology - Chemical Products and Their
Application - Industrial Organic Synthesis.

H.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 29694

Author : Trandafirescu, G., Koslawski, L., Banck, E.

Inst : -

Title : Direct Synthesis of Vinyl Chloride From Gases Obtained
by the Cracking of Methane.

Orig Pub : Rev Chim, 8, No 3, 147-154 (1957) (in Romanian with
summaries in German and Russian)

Abstract : Vinyl chloride (I) has been synthesised by the reaction
of HCl with cracked natural gas (containing 10-12%
 C_2H_2) in pilot plant equipment. It has been established
that at a reactor jacket temperature of 170° the conver-
sion of C_2H_2 attains 96-98% when a contact time of 65 sec
is used; this conversion figure is comparable to that
obtained in the synthesis of I from conc. C_2H_2 .

Card 1/2

TRANDAFIRESCU, GH.

ROMANIA/Physical Chemistry - Kinetics, Combustion, Explosions, Topo-chemistry, Catalysis.

B-9

Abstr Jour: Referat. Zurnal Khimiya, No 3, 1958, 7219.

Author : Gh. Trandafirescu, A. Mias, Georgeta Spirescu.

Inst :

Title : Method of Complex Ester Production at High Temperature Without Catalysts.

Orig Pub: Rev. chim., 1957, 8, No 4, 302-305.

Abstract: Works, in which it has been tried to remove catalysts from various esterification reactions are described. At this occasion, the catalyst action on the reaction rate was replaced with a temperature rise. The investigations, which had been carried out on butyl ester of isonicotinic acid, were extended also over the preparation of plasticizers of the complex ester group, at which it was desirable to obtain a yield near to the calculated one and to eliminate the neutralization phase.

Card :1/1

-19-

ELEFTERESCU, M.; KOVACS, St.; TRANDAFIRESCU, G.

Fuel and electric power transport systems. Rev electrotechn energet
9 no.3:349-356 '64

RUMANIA

576.8.097.35-085.371 6

TOPCIU, Vl., PLAVOSIN-BABUSCEAC, Livia, CSAKY, N., RADU, M.,
VOICULESCU, D., TRANDAFIRESCU, Virginia, NICOLAU, I., STEFAN,
Margareta, COMSULEA, Lia, and KECSKES, Elisabeta, of the Insti-
tute of Hygiene and Public Health (Institutul de Igiена si Sana-
tate Publica), Timisoara.

"The Evolution of Antivariolic Postvaccinal Immunity in Different
Age Groups Expressed by the Titer of Agglutination Inhibition
Antibodies."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17,
No 4, 66, pp 317-321.

Abstract: In a study of 1,074 sera from persons of various ages,
84.3 percent contained various amounts of antivaccine hemagglu-
tinating antibodies. The curve of average titer versus age shows
4 peaks corresponding to maternal antibodies, first vaccination,
revaccination at 7 years, and revaccination in the armed services.
Small titers of the antibodies persist throughout life, with higher
levels for approximately 3 years following vaccination.

Includes 2 figures and 9 references, of which 2 Russian,
3 German and 4 Western.

1/1

TRANDAFIRESCU, T., cercetator principal (Bucuresti)

Criteria of quality appreciation of the main dressings of the
soil. Natura Biologie 15 no.4:47-51 J1-Ag '63.

TRANDAFIRESCU, T.

Seasonal variations of the rhythm of structural formation of the soil.
p. 1491. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti.
Vol. 5, no. 10, Oct. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5,
no. 9, Sept. 1955

TRANDFELOV, D.; ANGELOV, Sp.; POPIANKOV, B.

The nitrate angle in the triple $\text{KNO}_3\text{-KCl-K}_2\text{O}$ salt system
Khim i industriia 36 no.9:332-34- 1964

1. Submitted September 15, 1964.

TRANDAFIRESCU, T., Chief Researcher (Cercetor Principal), Bucharest [affiliation not given]

"Criteria for the Evaluation of Major Land Operations."

Bucharest, Natura. Seria Biologie, Vol 15, No 4, Jul-Aug 63, pp 47-51.

Abstract: Includes such criteria as abiding by the optimal time periods, depth and uniformity of agricultural operations, refinement of the soil, amount of weeding, uniformity of the processed surface area, and level of soil coverage. Describes the various devices and techniques to be employed for the determination of the quality of land operations.

Includes 4 figures.

KIRYUSHCHENKOV, A.P., kand.med.nauk; PENDLER, M.B.; TRANDOFILOVA, I.
(Moskva)

Book reviews. Fel'd. i akush. 28 no.8:58-63 Ag'63 (MIRA 16:12)

1. Zaveduyushchiy meditsinskim punktom, Pelinovska, Vinnitskoy
oblasti (for Pendler).

TRANDOFILOVA, I.

Obituary. Fel'd. i akush. 28 no.6:62-63 Je '63. (MIRA 16:8)
(KUZNETSOVA, GALINA, 1940 - 1963)

TRANFASU, I: SECATA, V: CINDEA, I

Technological and organizational measures realized with the support of the circle of the Scientific Association of Engineers and Technicians insure economic improvement in the production of the Machine Tool Industry of Medgidia. p.611

METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania
Vol. 11, no.7, July 1950

Monthly List of East European Accessions (EEAI) IC Vol. 9, no.2 Feb.1960

2

Uncl.

TRANGEYZER, V. A.

Trangeyzer, V. A.

"The cortical dynamics and course of hypertonic disease in a diet with a limited amount of kitchen salt." Acad Med Sci USSR. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 25, 1956

EXCERPTA MEDICA Sec 6 Vol 13/1 Internal Med. Jan 59

148. INFLUENCE OF DIET WITH REDUCED SALT CONTENTS ON CORTICAL DYNAMICS AND ON THE COURSE OF HYPERTENSION (Russian text) - Trangeizer V. A. Inst. of Nutrit., USSR Acad. of Med. Scis, Moscow - VOPR, 111, 1957, 16/2 (15-19)

Studies were made on the influence of hypochlorization on the course of hypertension and cortical dynamics of the patients. Out of 57 hypertensive patients 7 were found to have normal higher nervous function. Marked disturbances in the higher nervous function were discovered in 22 patients; difficulties either in the development of positive or negative conditioned reflexes were observed during rest. These difficulties were generally met with when eliciting conditioned reflexes in patients with hypertension in stage II, and the more so with sound than with light stimulation. In the majority of patients positive and negative conditioned reflexes when initiated remained constant at all stages of observation. Hypochlorization is beneficial in hypertension: the patients' blood pressure is reduced (systolic by 30 to 40 mm. and diastolic by 20 to 30 mm. of mercury on average), the subsequent tendency for the levels obtained being to remain constant with associated diminution or cessation of symptoms. At the same time cortical dynamics approached normal (an improvement in synaptic activity and in the inhibition and adaptability of nervous mechanisms). The general condition of the patients improved. The conditioned reflexes in these patients were maintained during the 2nd and 3rd stages of the investigation. Verbal reports conveyed that there was only a relatively slight change in the reciprocal action of signal systems. References 9.

Krymkii - Moscow (S)

TRANCEYZER, V.A.

Effect of diet and food tests (proteins, fats and carbohydrates)
on cardiac activity in patients with coronary sclerosis in combination
with hypertensive disease; based on vectocardiographic data. Vop. pit.
21 no.5:9-13 S-0 '62. (MIRA 17:5)

1. Iz serdечно-sosudistogo otdeleniya (zav. V.P. Sokolovskiy)
kliniki lechbnogo pitaniya Instituta pitaniya AMN SSSR, Moskva.

PROSTYKOV, K.M.; CHUNAKOVA, Ye.P.; TRANGEYZER, V.A.

Determination of radioactive iodine resorption from the intra-cutaneous depot in atherosclerosis and hypertension. Med. rad. 8 no.9:7-14 S'63. (MIRA 17:4)

1. Iz laboratorii radioizotopnoy diagnostiki (zav. - prof. M.N. Fateyeva) Instituta meditsinskoy radiologii AMN SSSR i kliniki lechebnogo pitaniya (zav. -- doktor med. nauk I.S. Savoshchenko) Instituta pitaniya AMN SSSR.

TRANGHYZER, V.A.

Effect of therapeutic nutrition on cortical dynamics in hypertension and coronary atherosclerosis [with summary in English].
Vop.pit. 18 no.1:35-40 Ja-F '59. (MIRA 12:2)

1. Iz serdechno-sosudistogo otdeleniya (zav. - doktor med.nauk V.P. Sokolovskiy) Kliniki lechebnogo pitaniya i laboratorii vysshey nervnoy deyatel'nosti (zav. - prof. A.I. Mararychev) Instituta pitaniya AMN SSSR, Moskva.

(CENTRAL NERVOUS SYSTEM, physiol.

higher nerv. activity in coronary arteriosclerosis & hypertension, eff. of diet ther. (Rus))

(CORONARY DISEASE, ther.

arteriosclerosis, diet ther., higher nerv. activity responses (Rus))

(HYPERTENSION, ther.

diet ther., higher nerv. activity responses (Rus))

(DIETS, in var. dis.

coronary arteriosclerosis & hypertension, eff. (Rus))

TRANGEYZER, V.A., kand.med.nauk

Is cocoa useful? Zdorov'e 7 no.7:31 J1 '61.
(COCOA)

(MIRA 14:6)

TATIS, N.S.; IPANOV, V.A. (Moskva)

Results of the conference on the pathogenesis, clinical aspects,
and therapy of diseases of the pancreas. Vest. AMN SSSR 20
no.10:83-85, 1965.

(MIRA 18170)

TRANGEYZER, Valentina Andreyevna; NEYMAN, M.I., red.; ROMANOVA, Z.A.,
tekhn. red.

[Arteriosclerosis and hypertonic disease, prevention and
treatment] Ateroskleroz i gipertonicheskaya bolezni'; pro-
filaktika i lechenie. Moskva, Medgiz, 1962. 30 p.

(MIRA 16:5)

(ARTERIOSCLEROSIS) (HYPERTENSION)

TRANCEYZER, Valentina Andreyevna, kand. med. nauk; NEYMAN, M.I.,
red.

[Prevention of atherosclerosis] Preduprezhdenie atero-
skleroza. Moskva, Meditsina, 1965. 54 p. (MIRA 18:12)

KRCMERYOVA, H.; KRCMERY, Vl.; TRANGOS, V.

Resistant staphylococci and staphylococcal nosocomial infections.
Cas.lek.cesk 100 no.3:Lek Veda Zahr:1-6 20 Ja '61.

1. Interne oddel. OUNZ Bratislava-Okolie, prednosta MUDr. J. Duchon.
Statny vedecky veterinarny ustav v Bratislave, riaditel MVDr. M.
Halasa.

(STAPHYLOCOCCAL INFECTIONS) (HOSPITALS)

TRANCOS, V.; KRCMERYOVA, H.

Antibiotic therapy of bacterial endocarditis. Cas. lek. cesk. 98
no.12:Lek. veda zahr. 64-71 20 Mar 59.

1. Z interneho oddelenia OUNZ Bratislava--okolie, prednosta MUDr.
J. Duchon.

(ENDOCARDITIS, SUBACUTE BACTERIAL, ther.
antibiotics, review (Cz))

(ANTIBIOTICS, ther. use,
endocarditis, subacute bact., review (Cz))

GONCHAREVICH, I.F., kand.tekhn.nauk; SAKHNO, N.G., inzh.; TRANIN, F.Ye.,
inzh.

Effect of elastic elements of suspension with a nonlinear characteris-
tic on the operation of a vibrating conveyer. Nauch. soob. Inst.
gor. dela 4:97-108 '60. (MIRA 15:1)

(Conveying machinery)

TRANINA, N.F.

Pseudomonas solanacearum on the roots of healthy wheat and potato plants. Trudy Vses. inst. sel'khoz. mikrobiol. 16:52-61 '60. (MIRA 13:9)
(*Pseudomonas*) (Rhizosphere microbiology)
(Bacteria, Phytopathogenic)

TRANINA, N.F.

Effect of cultivation practices on the root microflora of certain plants. Trudy Inst. mikrobiol. no.7:107-114 '60. (MIRA 14:4)

1. Institut prikladnoy zoologii i fitopatologii.
(RHIZOSPHERE MICROBIOLOGY) (TILLAGE)

TRANINA, N. F., Cand Biol Sci -- (diss) "Inter-relationship between some plants and root microflora." Leningrad, 1960. 14 pp; (Inst of Microbiology of the Academy of Sciences USSR); 250 copies; free; (KL, 17-60, 149)

HRUBESOVA, Miroslava; TRANKA, Z.

Failure to form antibodies following transfer of nucleoprotein fractions to chick embryos. Folia microbiol 6 no.1:60-6 '60.
(EEAI 10:5)

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.
(ANTIGENS AND ANTIBODIES) (NUCLEOPROTEINS) (CELLS)

TRANKANOV, G.P., inzh.

Modernizing the BKS~~M~~^M tower crane. Mekh. stroi. 18:11-13
Je '61. (MIRA 14:7)

1. Proyektno-konstruktorskoye byuro Glavstroymekhanizatsii
Ministerstva transportnogo stroitel'stva.
(Cranes, derricks, etc.)

TRANKNER, (Prof. Dr. Ing.)

Prof. Dr. Ing. Trankner, "Theory of Investigation of Automatic Machines."

paper presented at the 2nd All-Union Conf. on Fundamental Problems in the Theory of Machines and Mechanisms, Moscow, USSR, 24-28 March 1958.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1ST AND 2ND COPIES

PROCESSES AND PROPERTIES INDEX

21

Pulverization of slurry and formation of slurry rings in the far end of the kiln. X. L. Frankov. Truznost 4, No. 2, 6-11(1936).—The rings are formed as a result of incomplete drying of slurry drops under the influence of hot gases, which make them very sticky. The formation of rings is connected with the peculiar properties of the raw materials used. It can be efficiently eliminated by hanging chains in the farther end of the kiln; their efficiency depends on their distance from the washer, the concn. of the slurry, the no. of chains and the system of hanging. E. K. S.

COMMON ILLUSTRATIONS

OPEN MATERIALS INDEX

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

REGION ROMANIA

831111 ONE QNY 151

SANDRO #1

SPOROJ MIV QNY GAE

BRISTONE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESSING AND PROSPECTIVE INDEX																			
B.C.										B-I-10									
<p>Pulverisation of slurry and formation of slurry rings in the far end of the kiln. V. I. TRANKOV (Tsvetmet, 1936, 4, No. 2, 6-11).—The rings are formed as a result of incomplete drying of slurry drops under the influence of hot gases. The effect can be eliminated by hanging chains in the far end of the kiln. Ch. Abs. (s)</p>																			
ASD-3LA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
1ST ORDER										2ND ORDER									

ACC NR: AP6027886

(N)

SOURCE CODE: UR/0390/66/029/004/0417/0420

AUTHOR: Trankovskiy, A. M.

ORG: Department of Pharmacology, Medical School, Donetsk Medical Institute (Kafedra farmakologii lechebnogo fakulteta Donetskogo meditsinskogo instituta)

TITLE: Pharmacology of monoquaternary ammonium salts of 2-(8-dialkylaminoethyl) pyridine

SOURCE: Farmakologiya i toksikologiya, v. 29, no. 4, 1966, 417-420

TOPIC TAGS: pharmacology, pyridine, ammonium compound, cholinoreactive system, ganglionic blocking activity, central nervous system, *AMMONIUM SALT*

ABSTRACT: The results are presented of studies of the pharmacological activity of a series of new compounds — monoquaternary ammonium salts of 2-(8-dialkylaminoethyl) pyridine. Except for compound no. ND-1 which is crystalline, all the compounds are white or light yellow amorphous powders and are easily soluble in water. Toxicity and LD₅₀ were determined in mice. Table one summarizes the experimental results. The mice reacted approximately as follows to lethal or sublethal doses of the compounds: After 3—5 min, breathing quickens, agitation develops, breathing becomes labored, and there is cyanosis of the integument (with compound no. ND-1 the additional symptom of heavy

Card 1/2

UDC: 615.711.418+615.756.1]-015

ACC NR: AP6027886

salivation). After 10—15 min, movement is difficult, and attacks of chronic or intermittent cramps occur. Compound ND-14 was the most toxic of all the preparations tested. Its quaternary nitrogen atom is joined to a N-methyl piperidine group. Compound ND-12 with three ethyl radicals on the nitrogen is almost as toxic. Decreasing toxicity is found in compounds ND-9 and ND-8, where one or two methyl radicals are substituted for the free valences on the quaternary nitrogen atom. Further weakening of toxic activity occurs when the oxygen-containing morpholine radical is substituted (preparation ND-10). The least toxic compound was no. ND-1 with three methyl radicals on the nitrogen atom. The order of toxicity from most to least is as follows: ND-14>ND-12>ND-9>ND-8>ND-10>ND-1. The compounds affect cholinoreactive structures differently. Internal administration of nos. ND-1 and ND-8 produces a two-step reaction (hypo- and hypertensive). The compounds are in the following order of ganglioblocking effect: ND-12>ND-1>ND-14>ND-9>ND-10>ND-8. The compounds have the following blocking effects on coeliac ganglia: ND-12>ND-1>ND-9>ND-14>ND-10: ND-8 had little or no effect. The greatest capacity for blocking the transmission of impulses along the parasympathetic nodes of the vagus nerve was shown by compound ND-12. The activity of the other compounds is given as follows: ND-12>ND-1>ND-8>ND-14>ND-10>ND-9. The greatest gangliolytic activity was shown by triethyl derivatives.

SUB CODE: 06/ SUBM DATE: 02Mar65/ ORIG REF: 003/ OTH REF: 003 [WA-50; CBE No. 11]
Card 2/2

KUDRYASHOV, L.V.; FROZOROVSKIY, N.A.; TRANKOVSKIY, D.A.

Gugo Edgarovich Grosset; on the occasion of his 60th birthday.
Bot. zhur. 49 no.2:298-300 F '64. (MIRA 17:6)

BORSUK, R.A., red. (Moskva); BOCHAROV, Yu.S., red. (Moskva);
GINZBURG, A.S., red.; YEMEL'YANOV, S.V., red.; LANGE,
A.B., red.; LARIONOV, V.F., red.; MANUILOVA, N.A., red.;
MATVEYEV, B.S., red.; PODDUBNAYA-ARNOL'DI, V.A., red.;
POTEMKINA, D.A., red.; TRANKOVSKIY, D.A., red.; USTINOVA,
Ye.I., red.; SHMIDT, G.A., red.; SHREDER, V.N., red.;
NECHAYEVA, Ye.G., red.

[Problems in modern embryology] Problemy sovremennoi embri-
ologii. Moskva, Izd-vo Mosk. univ., 1964. 565 p.
(MIRA 17:5)

TRANKOVSKIY, D.A.

Pollen development in two remote hybrids of Lathyrus.

Biul. MOIP. Otd. biol. 69 no. 3:91-97 My-Je '64.

(MIRA 17:7)

TRANKOVSKIY, D.A.

Interspecific hybridization in the genus Lathyrus. Biol.MOIP.
Otd.biol. 67 no.3:140-141 My-Je '62. (MIRA 15:11)
(Lathyrus) (Hybridization, Vegetable)

BARYKINA, Rimma Pavlovna; KOSTRIKOVA, Lidiya Nikolayevna;
KOCHEMAROVA, Irina Pavlovna; LOTOVA, Lyudmila Ivanovna;
~~TRANKOVSKIY, P. M. I. Aleksandrovich~~; CHISTYAKOVA, Ol'ga
Nikolayevna; SOKOLOVA, N.A., red.; SHVETSOV, S.V., tekhn.
red.

[Laboratory manual on plant anatomy] Praktikum po anatomii
rastenii. [By] R.P.Barykina i dr.[n.p.] ~~Ro~~vuzisdat,
1963. 183 p. (MIRA 16:10)

(Botany--Anatomy)

KIZIMOV, N.A.; OBONITSKAYA, O.V.; SERDYUK, Ye.Ye.; TRANKVILITATI, N.N.;
FEL'DMAN, A.B.

Relationship between the magnitude of a safe electric current and
the length of its action on the organism. Trudy MakNII 14. Vop.
gor. elektromekh. no.5:68-87 '62. (MIRA 16:6)
(Electricity in mining—Safety measures)
(Electricity, Injuries from)

TRANKVILLITSKIY, Yu.

Forty days on the Churchi Peninsula. Sov.foto 22 no.3:20-24 Mr
'62. (MIRA 15:2)

1. Fotokorrespondent zhurnala "Sovetskiy Soyuz".
(Churchi Peninsula--Description and travel)

TR. NOVICH, Vikentiy Valerianovich; SVIDERSKIY, Ya., otv.red.; KAZURKEVICH, M.,
red.izd-vs; LEBEDEV, A., tekhn.red.

[Audit of turnover tax reports] Proverka otchetov po nalogu
s oborota. Moskva, Gosfinizdat, 1960. 126 p.

(MIRA 14:4)

(Sales tax)

(Auditing)

TRANCOVSKIY, D.A.

RAZDORSKIY, Vladimir P'edorovich; TRANCOVSKIY, D.A., redaktor; GUBER, A.
tekhnicheskij redaktor ~~tekhnicheskij redaktor~~

[Architectonics of plants] Arkhitektonika rastenii. Moskva,
Gos. izd-vo "Sovetskaya nauka," 1955. 430 p. (MIRA 9:4)
(Botany—Anatomy)

GROSSET, Gugo Edgarovich [Gresset, H.E.]; TRANKOVSKIY, D.A., otv.red.;
ENDEL'MAN, G.N., red.; SMIRNOV, Z.K., tekhn.red.

[Japanese stone pine; study and utilization] Kedrovyyi stlanik;
materialy k izucheniiu i khoziaistvennomu ispol'zovaniiu. Moskva,
1959. 143 p. (Materialy k poznaniiu fauny i flory SSSR, izdavaemye
Moskovskim obshchestvom ispytatelei prirody. Novaya seriia, Otdel
botanicheskii, no.12 (20)). (MIRA 13:9)
(Pine)